### PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 547334WO01	FOR FURTHER ACTION	See item 4 below			
International application No. PCT/JP2004/011253	International filing date (day/month/year) 05 August 2004 (05.08.2004)	Priority date (day/month/year) 01 September 2003 (01.09.2003)			
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237					
Applicant MITSUBISHI DENKI KABUSHIKI K	(AISHA				

1.	1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).					
2.	This REPORT consists of a total	of 4 sheets, including this cov	ver sheet.			
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.					
3.	3. This report contains indications relating to the following items:					
	Box No. I Basis of the report					
	Box No. II Priority					
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
	Box No. IV Lack of unity of invention					
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
	Box No. VI	Certain documents cited				
	Box No. VII	Certain defects in the international application				
	Box No. VIII	Box No. VIII Certain observations on the international application				
4.	4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).					
		***				
			Date of issuance of this report 20 June 2006 (20.06.2006)			
The International Bureau of WIPO			Authorized officer			
34, chemin des Colombettes 1211 Geneva 20, Switzerland			Masashi Honda			
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Form PCT/IB/373 (January 2004)

#### PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION 547334W001 See paragraph 2 below International application No. Priority date (day/month/year) International filing date (day/month/year) 01.09.2003 05.08.2004 PCT/JP2004/011253 International Patent Classification (IPC) or both national classification and IPC Applicant MITSUBISHI DENKI KABUSHIKI KAISHA This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** 2. If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. 3. Authorized officer Name and mailing address of the ISA/JP

Telephone No.

Facsimile No.

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/011253

В	ox No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was, unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	•	Rule 12.3 and 23.1(b)).
2		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed nation, this opinion has been established on the basis of:
	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
	b.	format of material
		in written format
		in computer readable form
	c.	time of filing/furnishing
		contained in the international application as filed.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority for the purposes of search.
3		In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4	. Add	litional comments:
	-	•
		•

### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/011253

INTERNATIONAL SEARCHING AUTHORITY PCT/JP2004/				PCT/JP2004/0112	253		
Box No. V Reasoned statement under Rule citations and explanations supp					d to novelty, ir	eventive step or industrial applicability;	•
1.	Statement	expianations so	pporting suci	satement	<del></del>		
	Novelty (N)		1-6	<del></del>	<del> </del>		_ YES
	Inventive step (IS)	Claims					_ NO
	mveimve siep (15)	Claims Claims	1-6				<pre>- YES - NO</pre>
	Industrial applicability (L	A) Claims Claims	1-6				_ YES _ NO
2.	Citations and explanations:		· · · · · · · · · · · · · · · · · · ·				
		:001-95199 es; (Family		kawa Elec	etric Corp	.), 06 April 2001, All	
	• • • • • • • • • • • • • • • • • • •		<del>-</del>			December 2002, 3121 A2 & US 2002-	
	matter of expandin circumference and a ratio of the comp	g the frame stipulating onents for to or magnetic	thicknes the cogg the numb poles is	s in a Fou ing torque er of stato neither de	rier series for a rota or slots of a scribed in	olve an inventive step. The in the direction of the ating electric machine with the frame thickness and any of the documents ed in the art.	
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